

# THE KNEE

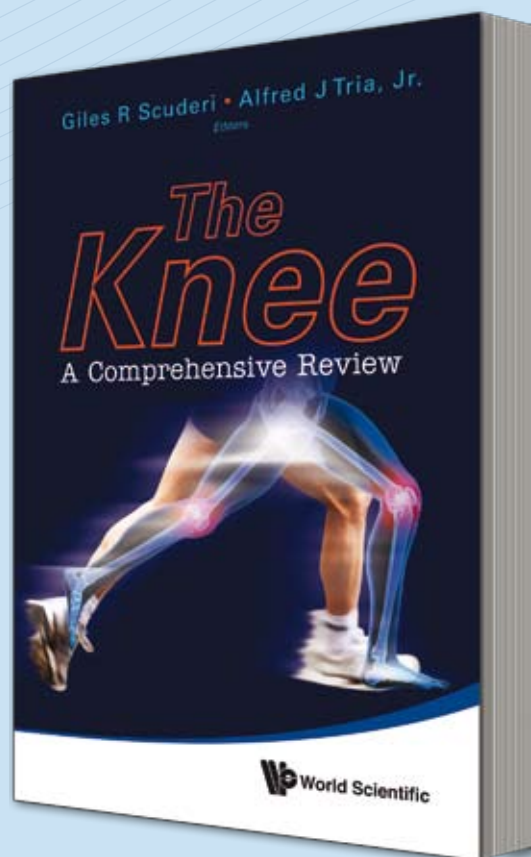
## A Comprehensive Review

edited by **Giles R Scuderi** (*Insall Scott Kelly Institute, USA*)  
& **Alfred J Tria, Jr** (*Robert Wood Johnson Medical School, USA*)

This book covers all the basics of the knee for practicing orthopedic surgeons and residents who are finishing their training and preparing for the board examinations. The text begins with chapters on the anatomy, physical examinations, and imaging, before proceeding on to pediatric considerations, arthroscopic techniques, ligament injuries, trauma, reconstructions, and the future of knee replacement surgery.

### Contents:

- Anatomy of the Knee (B J Margo et al.)
- Physical Examination of the Knee (Q Liu & Y-X Zhou)
- Biomechanics of the Knee and Alignment (J M K Victor)
- Imaging of the Knee (K R Math & V Merunka)
- The Pediatric Knee (D P Roye, Jr & O Jameel)
- Surgical Approaches (A Tanavalee)
- Cartilage Injuries (K D Plancher & S L Lipnick)
- Meniscal Injuries (K D Plancher & S L Lipnick)
- Disorders of the Patellofemoral Joint (D R Diduch & A Gerdemant)
- ACL Injuries and Treatment (A F Chen et al.)
- PCL Injuries and Treatment (C C Dodson & T L Wickiewicz)
- Collateral Ligament Injuries and Treatment (G R Scuderi & A J Tria, Jr)
- Dislocation of the Knee (A J Tria, Jr)
- Supracondylar Fractures (J Reilly)
- Patella Fractures (J Reilly)
- Tibial Plateau Fractures (J Reilly)
- Quadriceps and Patellar Tendon Ruptures (J Reilly)
- Nonoperative Treatment of the Arthritic Knee (G R Scuderi)
- Osteotomies About the Knee (T Majima)
- Total Knee Arthroplasty: An Overview (A J Tria, Jr)
- Total Knee Arthroplasty: Soft Tissue Releases (*G J Roehrig et al.*)
- Instrumentation in Total Knee Arthroplasty (*A J Tria, Jr*)
- Unicompartmental Knee Arthroplasty: Indications, Technique, and Results (*R A Berger & C J Della Valle*)



- Bicompartamental Arthroplasty (*C A Hajnik & F D Cushner*)
- The Posterior Stabilized Knee Arthroplasty: Techniques and Results (*C-W Ha*)
- Cruciate-Retaining Total Knee Arthroplasty: Technique and Results (*A Rajgopal et al.*)
- Mobile Bearing Total Knee Arthroplasty: Technique and Results (*R H Kim & D A Dennis*)
- Bicruciate-Substituting and Bicruciate-Replacing Arthroplasty of the Knee: Technique and Results (*J Bellemans*)
- Revision Total Knee Arthroplasty: Principles and Implant Choice (*M P Nett et al.*)
- Computer-Assisted Total Knee Replacement Surgery: Current Concepts (*S D Stulberg*)
- Robotic-Arm-Assisted Unicompartmental Arthroplasty (*J H Lonner*)

**Readership:** Orthopedic surgeons and residents in orthopedic surgery.

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